Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Improvements to roads and drains in Vinayakanagara, Kattigenahalli and Dwarakanagara surrounding area in ward no.05

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
Basic rate	130.00							
Area weightage 6%	7.80							
Sub total	137.80							
Loading and unloading with Lead 5 km	**69.80**							
Total	**207.60**							
CC Drain								
Vinayakanagar								
2nd main	2	380.00	1.10	0.90	752.40			
3rd main	2	500.00	1.10	0.90	990.00			
4th main	2	482.00	1.10	0.90	954.36			
5th main	2	360.00	1.10	0.90	712.80			
6th main	2	213.00	1.10	0.90	421.74			
7th main	2	315.00	1.10	0.90	623.70			
8th main	2	216.00	1.10	0.90	427.68			
CC Rd (7th to 8th mn)	2	86.00	1.10	0.90	170.28			
CC Rd (6th to 8th mn)	2	120.00	1.10	0.90	237.60			
CC Rd (Dead end to 8th mn)	2	115.00	1.10	0.90	227.70			
6th A main	2	108.00	1.10	0.90	213.84			
6th B main	2	101.00	1.10	0.90	199.98			
CC Rd - 4	2	30.00	0.90	0.90	48.60			
CC Rd - 5	2	30.00	0.90	0.90	48.60			
Near Palanahalli lake	1	135.00	1.60	1.20	259.20			
Palanahalli								
Main Road	1	426.00	1.10	0.90	421.74			
CC Rd - 1	2	38.00	1.10	0.90	75.24			
CC Rd - 2	1	22.00	1.10	0.90	21.78			
CC Rd - 3	1	22.00	1.10	0.90	21.78			
CC Rd - 4	2	55.00	1.10	0.90	108.90			
CC Rd - 5	2	89.00	1.10	0.90	176.22			
Kattigenahalli								
2nd Mn upto Narayamanagudi	2	400.00	1.10	0.90	792.00			
Dwarakanagar								

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5th main	2	520.00	1.10	0.90	1029.60			
6th main	2	210.00	1.10	0.90	415.80			
7th main	2	510.00	1.10	0.90	1009.80			
1st cross	2	25.00	1.10	0.90	49.50			
2nd cross	2	98.00	1.10	0.90	194.04			
3rd cross	2	98.00	1.10	0.90	194.04			
4th cross	2	85.00	1.10	0.90	168.30			
5th cross	2	66.00	1.10	0.90	130.68			
6th cross	2	57.00	1.10	0.90	112.86			
7th cross	2	100.00	1.10	0.90	198.00			
Karnataka Grameen Bank Ltd	2	145.00	1.10	0.90	287.10			
Culvert	30	6.00	1.50	1.00	270.00			
					11965.86	**Cum**	**207.60**	**2484112.54**

KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)

Basic rate	5115.00							
6% AW	306.90							
Sub Total	**5421.90**							
CC Drain								
Vinayakanagar								
2nd main	2	380.00	1.10	0.15	125.40			
3rd main	2	500.00	1.10	0.15	165.00			
4th main	2	482.00	1.10	0.15	159.06			
5th main	2	360.00	1.10	0.15	118.80			
6th main	2	213.00	1.10	0.15	70.29			
7th main	2	315.00	1.10	0.15	103.95			
8th main	2	216.00	1.10	0.15	71.28			
Cr Rd (7th to 8th mn)	2	86.00	1.10	0.15	28.38			
Cr Rd (6th to 8th mn)	2	120.00	1.10	0.15	39.60			
Cr Rd (Dead end to 8th mn)	2	115.00	1.10	0.15	37.95			
6th A main	2	108.00	1.10	0.15	35.64			
6th B main	2	101.00	1.10	0.15	33.33			
Cr Rd - 4	2	30.00	0.90	0.15	8.10			
Cr Rd - 5	2	30.00	0.90	0.15	8.10			
Near Palanahalli lake	1	135.00	1.60	0.15	32.40			
Palanahalli								
Main Road	1	426.00	1.10	0.15	70.29			
Cr Rd - 1	2	38.00	1.10	0.15	12.54			
Cr Rd - 2	1	22.00	1.10	0.15	3.63			
Cr Rd - 3	1	22.00	1.10	0.15	3.63			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Cr Rd - 4	2	55.00	1.10	0.15	18.15			
Cr Rd - 5	2	89.00	1.10	0.15	29.37			
Kattigenahalli								
2nd Mn upto Kotarayamanagudi	2	400.00	1.10	0.15	132.00			
Dwarakanagar								
5th main	2	520.00	1.10	0.15	171.60			
6th main	2	210.00	1.10	0.15	69.30			
7th main	2	510.00	1.10	0.15	168.30			
1st cross	2	25.00	1.10	0.15	8.25			
2nd cross	2	98.00	1.10	0.15	32.34			
3rd cross	2	98.00	1.10	0.15	32.34			
4th cross	2	85.00	1.10	0.15	28.05			
5th cross	2	66.00	1.10	0.15	21.78			
6th cross	2	57.00	1.10	0.15	18.81			
7th cross	2	100.00	1.10	0.15	33.00			
Karnataka Grameen Bank Ltd	2	145.00	1.10	0.15	47.85			
Culvert	30	6.00	1.50	0.15	40.50			
					1979.01	**Cum**	**5421.90**	**10729994.32**
Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)								
Basic rate	6670.00							
6% AW	400.20							
Sub Total	**7070.20**							
CC Drain Raft								
Vinayakanagar								
2nd main	2	380.00	0.90	0.15	102.60			
3rd main	2	500.00	0.90	0.15	135.00			
4th main	2	482.00	0.90	0.15	130.14			
5th main	2	360.00	0.90	0.15	97.20			
6th main	2	213.00	0.90	0.15	57.51			
7th main	2	315.00	0.90	0.15	85.05			
8th main	2	216.00	0.90	0.15	58.32			
Cr Rd (7th to 8th mn)	2	86.00	0.90	0.15	23.22			
Cr Rd (6th to 8th mn)	2	120.00	0.90	0.15	32.40			
Cr Rd (Dead end to 8th mn)	2	115.00	0.90	0.15	31.05			
6th A main	2	108.00	0.90	0.15	29.16			
6th B main	2	101.00	0.90	0.15	27.27			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cr Rd - 4	2	30.00	0.75	0.15	6.75			
	Cr Rd - 5	2	30.00	0.75	0.15	6.75			
	Near Palanahalli lake	1	135.00	1.50	0.20	40.50			
	Palanahalli								
	Main Road	1	426.00	0.90	0.15	57.51			
	Cr Rd - 1	2	38.00	0.90	0.15	10.26			
	Cr Rd - 2	1	22.00	0.90	0.15	2.97			
	Cr Rd - 3	1	22.00	0.90	0.15	2.97			
	Cr Rd - 4	2	55.00	0.90	0.15	14.85			
	Cr Rd - 5	2	89.00	0.90	0.15	24.03			
	Kattigenahalli								
	2nd Mn upto Katarayamanagudi	2	400.00	0.90	0.15	108.00			
	Dwarakanagar								
	5th main	2	520.00	0.90	0.15	140.40			
	6th main	2	210.00	0.90	0.15	56.70			
	7th main	2	510.00	0.90	0.15	137.70			
	1st cross	2	25.00	0.90	0.15	6.75			
	2nd cross	2	98.00	0.90	0.15	26.46			
	3rd cross	2	98.00	0.90	0.15	26.46			
	4th cross	2	85.00	0.90	0.15	22.95			
	5th cross	2	66.00	0.90	0.15	17.82			
	6th cross	2	57.00	0.90	0.15	15.39			
	7th cross	2	100.00	0.90	0.15	27.00			
	Karnataka Grameen Bank Ltd	2	145.00	0.90	0.15	39.15			
	CC Drain Wall								
	Vinayakanagar								
	2nd main	4	380.00	0.15	0.60	136.80			
	3rd main	4	500.00	0.15	0.60	180.00			
	4th main	4	482.00	0.15	0.60	173.52			
	5th main	4	360.00	0.15	0.60	129.60			
	6th main	4	213.00	0.15	0.60	76.68			
	7th main	4	315.00	0.15	0.60	113.40			
	8th main	4	216.00	0.15	0.60	77.76			
	Cr Rd (7th to 8th mn)	4	86.00	0.15	0.60	30.96			
	Cr Rd (6th to 8th mn)	4	120.00	0.15	0.60	43.20			
	Cr Rd (Dead end to 8th mn)	4	115.00	0.15	0.60	41.40			
	6th A main	4	108.00	0.15	0.60	38.88			
	6th B main	4	101.00	0.15	0.60	36.36			
	Cr Rd - 4	4	30.00	0.15	0.60	10.80			
	Cr Rd - 5	4	30.00	0.15	0.60	10.80			
	Near Palanahalli lake	2	135.00	0.20	0.90	48.60			
	Palanahalli								
	Main Road	2	426.00	0.15	0.60	76.68			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cr Rd - 1	4	38.00	0.15	0.60	13.68			
	Cr Rd - 2	2	22.00	0.15	0.60	3.96			
	Cr Rd - 3	2	22.00	0.15	0.60	3.96			
	Cr Rd - 4	4	55.00	0.15	0.60	19.80			
	Cr Rd - 5	4	89.00	0.15	0.60	32.04			
	Kattigenahalli								
	2nd Mn upto Katarayamanagudi	4	400.00	0.15	0.60	144.00			
	Dwarakanagar								
	5th main	4	520.00	0.15	0.60	187.20			
	6th main	4	210.00	0.15	0.60	75.60			
	7th main	4	510.00	0.15	0.60	183.60			
	1st cross	4	25.00	0.15	0.60	9.00			
	2nd cross	4	98.00	0.15	0.60	35.28			
	3rd cross	4	98.00	0.15	0.60	35.28			
	4th cross	4	85.00	0.15	0.60	30.60			
	5th cross	4	66.00	0.15	0.60	23.76			
	6th cross	4	57.00	0.15	0.60	20.52			
	7th cross	4	100.00	0.15	0.60	36.00			
	Karnataka Grameen Bank Ltd	4	145.00	0.15	0.60	52.20			
						3732.21			
	Culvert Raft	30	6.00	1.30	0.20	46.80			
	Culvert Wall	60	6.00	0.23	0.60	49.68			
						96.48			
						3828.69	**Cum**	**7070.20**	**2706960**
	KSRRB M2200-6. **Providing T.M.T. steel reinforcement for R.C.C. work** including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200(I No-28.8.2,P No-229)								
	Basic rate	68233.00							
	6% AW	4093.98							
	Sub Total	**72326.98**							
	60kg/cum for drain		3828.69	0.06		229.72			
	90kg/cum for drain		96.48	0.09		8.68			
						238.40	**Tn**	**72326.98**	**1724308**
	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	For Drain								
	Vinayakanagar								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
2nd main	2	380.00	0.90		684.00			
3rd main	2	500.00	0.90		900.00			
4th main	2	482.00	0.90		867.60			
5th main	2	360.00	0.90		648.00			
6th main	2	213.00	0.90		383.40			
7th main	2	315.00	0.90		567.00			
8th main	2	216.00	0.90		388.80			
Cr Rd (7th to 8th mn)	2	86.00	0.90		154.80			
Cr Rd (6th to 8th mn)	2	120.00	0.90		216.00			
Cr Rd (Dead end to 8th mn)	2	115.00	0.90		207.00			
6th A main	2	108.00	0.90		194.40			
6th B main	2	101.00	0.90		181.80			
Cr Rd - 4	2	30.00	0.75		45.00			
Cr Rd - 5	2	30.00	0.75		45.00			
Near Palanahalli lake	1	135.00	1.50		202.50			
Palanahalli								
Main Road	1	426.00	0.90		383.40			
Cr Rd - 1	2	38.00	0.90		68.40			
Cr Rd - 2	1	22.00	0.90		19.80			
Cr Rd - 3	1	22.00	0.90		19.80			
Cr Rd - 4	2	55.00	0.90		99.00			
Cr Rd - 5	2	89.00	0.90		160.20			
Kattigenahalli								
2nd Mn upto Katarayamanagudi	2	400.00	0.90		720.00			
Dwarakanagar								
5th main	2	520.00	0.90		936.00			
6th main	2	210.00	0.90		378.00			
7th main	2	510.00	0.90		918.00			
1st cross	2	25.00	0.90		45.00			
2nd cross	2	98.00	0.90		176.40			
3rd cross	2	98.00	0.90		176.40			
4th cross	2	85.00	0.90		153.00			
5th cross	2	66.00	0.90		118.80			
6th cross	2	57.00	0.90		102.60			
7th cross	2	100.00	0.90		180.00			
Karnataka Grameen Bank Ltd	2	145.00	0.90		261.00			
					10601.10	**Sqm**	**2337.00**	**24774770.70**
Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
Data rate	5418.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Culvert Vent	30	6.00	1.50		270.00			
					270.00	Sqm	5418.00	1462860.00
							Total Construction Cost	83764426.33
							12% GST	10051731.16
							5% Tender Premium	4188221.32
							DPR & PMC Charges	1995000.00
							Sub Total	99999378.81
							Miscellaneous & Rounding off	621.19
							GRAND TOTAL	100000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, Data Rates and issue rates Dated 03-01-2020

Assistant Engineer,

Asst. Exec. Engineer, 8/05/2020

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore
8/5/2020

Technical Sanction
Accorded For Rs 10.00 Cr
Head of A/C P3761
CER NO :25 Dt:01.06.2020
TA
CE (YNK)

Administrative Approval
Accorded For Rs. 1000.00 Lakhs
Head of A/C P3761
CER NO :30 Dt.09/11/2020
E.E. (Project)